

OSA 11-5803-64
ew

3 December 1964

Subject: Addition of Data Correlation Function to the MPC and CPC

Dear Frank:

The contents hereof are offered in confirmation of this contractor's 25 November 1964 telecon proposal to the SPO (D. Seehafer).

Specifically this contractor offers a budgetary cost proposal of \$100,000 for accomplishing the subject task, said effort to be in conformance with the Exhibit "A" attached technical proposal.

As part of the proposal submitted here under this contractor offers the following basis assumptions:

1. Programs will be delivered with the total processing programs (15 October 1965) and will be turned over to the SPO/Using Activity (accepted) by 31 December 1965.
2. Documentation will be included with the total processing handbooks.
3. Generation of the necessary data files for simulated data is included in the cost. Files for field test data are not included.

This contractor trusts the contents hereof will prove sufficient for Contracting Officer and SPO evaluation purposes. In the event additional information is required, please contact program director, [redacted] or contract administrator,

[redacted]

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Regards,

[redacted]

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cc: Temp

[redacted]

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File AIL
FH-7321
Proposals
To Await
SPO
Approval

Exhibit "A"
3 December 1964

TECHNICAL PROPOSAL
for
ADDITION OF DATA CORRELATION FUNCTION TO MPC/CPC

The basic operation to be performed is to correlate mission fixes (Radar Master words) with a Purview extracted from the Main File. The capability shall be provided to obtain the Purview in the following ways:

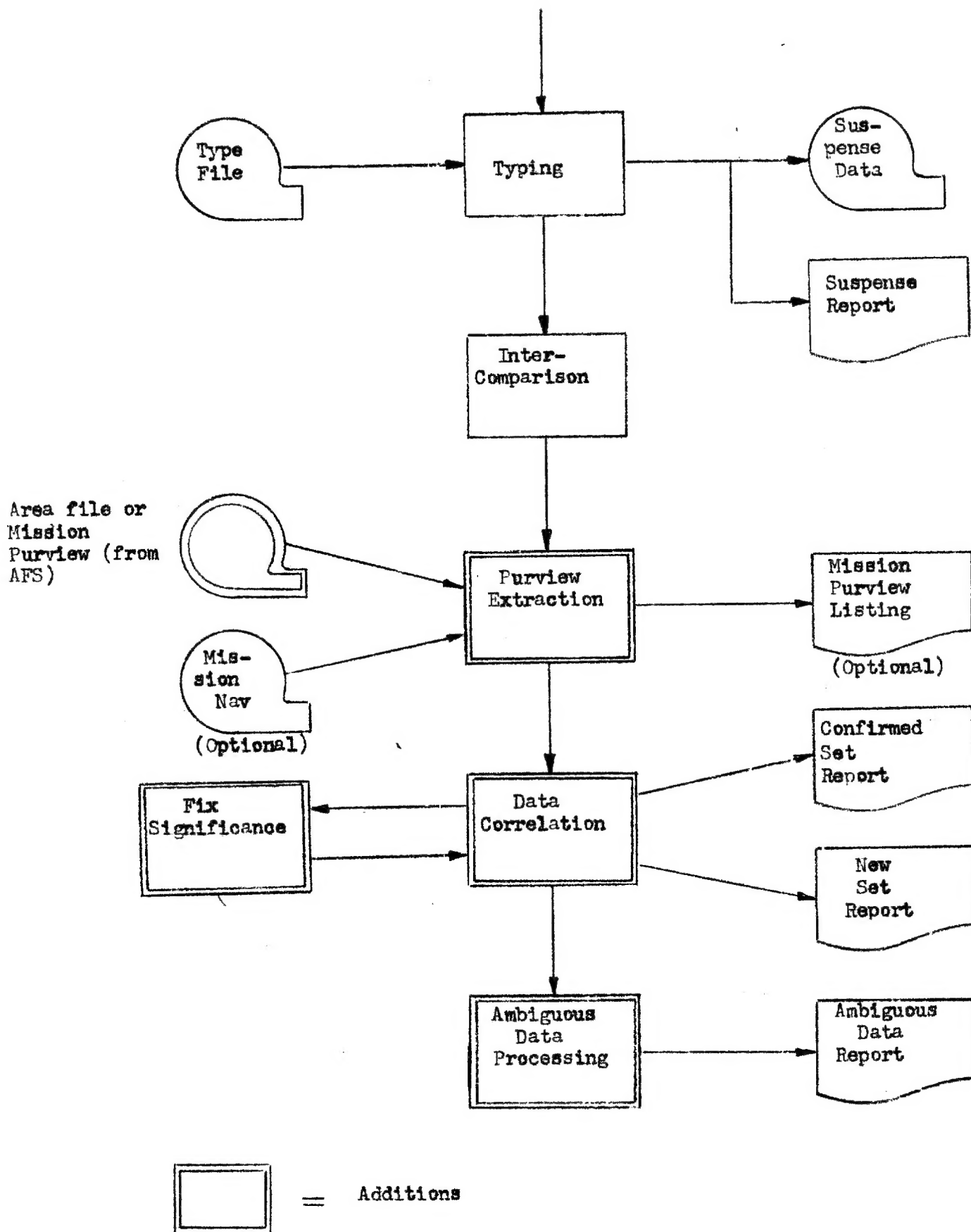
1. Advanced Finder will produce the Purview based on a planned flight path. The format it normally produces shall be acceptable to the system being provided for the MPC and CPC.
2. Advanced Finder will produce an area file based on a planned flight path. The system shall extract the Purview based on either the actual flight path or the mission fixes.

The capability shall be provided to perform Data Correlation at both the MPC and the CPC for both flash reporting and total processing. Data Correlation will be functionally the same as that performed by the Advanced Finder system with modifications necessitated by unique features of the EMR and reprogramming for the CDC-3200 computer. It shall also be necessary to provide the equivalence of the Fix Significance process which is required by Data Correlation. A program to report ambiguous cases for analyst resolution shall also be provided. The latter program shall determine the type of ambiguity and segregate the types for reporting. A mechanism to handle the analyst's resolution of ambiguous cases shall be provided.

Additional outputs that shall be produced are a Confirmed Set Report and a New Set Report. A Purview listing shall be available.

The attached block diagram illustrates the new programs and reports that will be provided. Under current development, intercomparison is the last program prior to the flash and mission reports. The new programs will be added to the data flow at this point.

Summarization Prog.



Block Diagram
for
Addition of Data Correlation to MPC & CPC